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<110> Fit Biotech Oyj

<120> Novel selection system

<130> PD53649US01

<140> US10/531,870

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<170> FastSEQ for Windows Version 4.0

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<220>  
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<400> 8  
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 caccatctgg gcgcaggcgg gtcagtcgat tccagcaacc ggcaccaccc acgcccacta 660  
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<210> 19  
 <211> 696  
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atcaaaccct	ccggcgtcga	ttacagcgtc	atgaccgctg	acgatatggt	cgtgggttagc	180
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gccaccatct	gggcgcaggc	gggtcagtcg	attccagcaa	ccggcaccac	ccacgccgac	360
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<220>  
 <223> Primer

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<210> 22  
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<400> 23  
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<400> 24  
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<212> DNA

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<220>

<223> Primer

<400> 28

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<210> 29

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<212> DNA

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<211> 901

<212> DNA

<213> Escherichia coli

<400> 30

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<211> 231

<212> PRT

<213> Escherichia coli

<400> 31

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Asp Glu Thr Arg Gln Trp Met Val Ile Lys Pro Ser Gly Val Glu Tyr			
	35	40	45
Asp Val Met Thr Ala Asp Asp Met Val Val Val Glu Ile Ala Ser Gly			
	50	55	60
Lys Val Val Glu Gly Ser Lys Lys Pro Ser Ser Asp Thr Pro Thr His			
	65	70	75
Leu Ala Leu Tyr Arg Arg Tyr Ala Glu Ile Gly Gly Ile Val His Thr			
	85	90	95
His Ser Arg His Ala Thr Ile Trp Ser Gln Ala Gly Leu Asp Leu Pro			
	100	105	110
Ala Trp Gly Thr Thr His Ala Asp Tyr Phe Tyr Gly Ala Ile Pro Cys			
	115	120	125
Thr Arg Gln Met Thr Ala Glu Glu Ile Asn Gly Glu Tyr Glu Tyr Gln			
	130	135	140
Thr Gly Glu Val Ile Ile Glu Thr Phe Glu Glu Arg Gly Arg Ser Pro			
	145	150	155
Ala Gln Ile Pro Ala Val Leu Val His Ser His Gly Pro Phe Ala Trp			
	165	170	175
Gly Lys Asn Ala Ala Asp Ala Val His Asn Ala Val Val Leu Glu Glu			
	180	185	190
Cys Ala Tyr Met Gly Leu Phe Ser Arg Gln Leu Ala Pro Gln Leu Pro			
	195	200	205
Ala Met Gln Asn Glu Leu Leu Asp Lys His Tyr Leu Arg Lys His Gly			
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Ala Asn Ala Tyr Tyr Gly Gln			
225	230		

<210> 32  
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 ccacaactca atcacatcga cagcttcctg atgaataaac acttcatgcg taaacacggg 780  
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<210> 33  
 <211> 228  
 <212> PRT  
 <213> Escherichia coli

<400> 33  
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20	25	30	
Arg Glu Arg Gly Leu Val Val Ile Lys Pro Ser Gly Val Ala Tyr Glu			
35	40	45	
Thr Met Lys Ala Ala Asp Met Val Val Val Asp Met Ser Gly Lys Val			
50	55	60	
Val Glu Gly Glu Tyr Arg Pro Ser Ser Asp Thr Ala Thr His Leu Glu			
65	70	75	80
Leu Tyr Arg Arg Tyr Pro Ser Leu Gly Gly Ile Val His Thr His Ser			
85	90	95	
Thr His Ala Thr Ala Trp Ala Gln Ala Gly Leu Ala Ile Pro Ala Leu			
100	105	110	
Gly Thr Thr His Ala Asp Tyr Phe Phe Gly Asp Ile Pro Cys Thr Arg			
115	120	125	
Gly Leu Ser Glu Glu Glu Val Gln Gly Glu Tyr Glu Leu Asn Thr Gly			
130	135	140	
Lys Val Ile Ile Glu Thr Leu Gly Asn Ala Glu Pro Leu His Thr Pro			
145	150	155	160
Gly Ile Val Val Tyr Gln His Gly Pro Phe Ala Trp Gly Lys Asp Ala			
165	170	175	
His Asp Ala Val His Asn Ala Val Val Met Glu Glu Val Ala Lys Met			
180	185	190	
Ala Trp Ile Ala Arg Gly Ile Asn Pro Gln Leu Asn His Ile Asp Ser			
195	200	205	
Phe Leu Met Asn Lys His Phe Met Arg Lys His Gly Pro Asn Ala Tyr			
210	215	220	
Tyr Gly Gln Lys			
225			

<210> 34

<211> 231

<212> PRT

<213> Escherichia coli

<400> 34

Met Leu Glu Asp Leu Lys Arg Gln Val Leu Glu Ala Asn Leu Ala Leu	
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Pro Lys His Asn Leu Val Thr Leu Thr Trp Gly Asn Val Ser Ala Val	
20	25
Asp Arg Glu Arg Gly Val Phe Val Ile Lys Pro Ser Gly Val Asp Tyr	
35	40
Ser Val Met Thr Ala Asp Asp Met Val Val Val Ser Ile Glu Thr Gly	
50	55
Glu Val Val Glu Gly Thr Lys Lys Pro Ser Ser Asp Thr Pro Thr His	
65	70
Arg Leu Leu Tyr Gln Ala Phe Pro Ser Ile Gly Gly Ile Val His Thr	
85	90
His Ser Arg His Ala Thr Ile Trp Ala Gln Ala Gly Gln Ser Ile Pro	
100	105
Ala Thr Gly Thr Thr His Ala Asp Tyr Phe Tyr Gly Thr Ile Pro Cys	
115	120
Thr Arg Lys Met Thr Asp Ala Glu Ile Asn Gly Glu Tyr Glu Trp Glu	
130	135
Thr Gly Asn Val Ile Val Glu Thr Phe Glu Lys Gln Gly Ile Asp Ala	
145	150
Ala Gln Met Pro Gly Val Leu Val His Ser His Gly Pro Phe Ala Trp	
165	170
Gly Lys Asn Ala Glu Asp Ala Val His Asn Ala Ile Val Leu Glu Glu	
180	185
	190

Val Ala Tyr Met Gly Ile Phe Cys Arg Gln Leu Ala Pro Gln Leu Pro  
195 200 205  
Asp Met Gln Gln Thr Leu Leu Asp Lys His Tyr Leu Arg Lys His Gly  
210 215 220  
Ala Lys Ala Tyr Tyr Gly Gln  
225 230